AMENDMENTS TO THE CLAIMS

Claim 1 (Currently Amended): A method for storing volatiles under pressure, comprising;

providing a storage apparatus, wherein said storage apparatus includes an outer portion and a foam component, wherein said foam component is contained within fills substantially all of an inner space defined by said outer portion;

connecting said storage apparatus to a source for providing a volatile, whereby said volatile is stored within closed cells of said foam component; and

conducting said volatile from said source into said storage apparatus, whereby release of said volatile from said foam component is restricted by a need for said volatile to diffuse through said closed cells of said foam component.

Claim 2 (Currently Amended): The method of claim 1, wherein <u>said closed cells of</u> said foam component <u>includes closed cells with have</u> low, but nonzero, cell-wall permeability.

Claim 3 (Original): The method of claim 1, wherein said volatile is at least one of a liquid or gas or combination thereof.

Claim 4 (Original): The method of claim 1, wherein said volatile is at least one of ammonia, butane and propane.

Claim 5 (Original): The method of claim 1, wherein at least a portion of a surface of said foam component is sealed.

Claim 6 (Currently Amended): An apparatus for storing volatile compounds, comprising; an outer portion, said outer portion defining an inner volume; and

a foam component that is non-reactive relative to the volatile, wherein said foam component is contained within fills substantially all of an inner volume defined by said outer portion.

Claim 7 (Original): The apparatus of claim 6, further comprising means for introducing at least one volatile compound into said inner volume.

Claim 8 (Original): The apparatus of claim 6, wherein said foam component includes closed cells.

Claim 9 (Original): The apparatus of claim 6, wherein said outer portion is composed of at least one of a metal, alloy and plastic.

Claim 10 (Original): The apparatus of claim 6, wherein said foam component has a void fraction of about greater than 60%.

Claim 11 (Original): The apparatus of claim 6, further comprising a sealing component disposed upon at least a portion of said foam component.

Claim 12 (Original): The apparatus of claim 6, wherein said foam component is provided with at least one channel.

Claim 13 (Currently Amended): An apparatus for storing volatile compounds using a <u>an inert</u> monolith foam component <u>filling substantially all of an inner space of the apparatus and</u> whose geometry is cylindrical, spherical, or planar.

Claim 14 (Currently amended): The apparatus of claim 13, wherein several such storage apparatuses ean be are manifolded together to increase volatile delivery rate, wherein a safe delivery rate of each device is maintained.

Claim 15 (Cancelled).

Claim 16 (Currently amended): An apparatus of claim 14, wherein, said manifoldable devices manifolded apparatuses allow are adapted for charging of volatiles of one or more cartridges or storage apparatus while allowing being adapted for discharge of volatile from one or more other cartridges or storage apparatus.

Claim 17 (Currently amended): An apparatus of claim 14, wherein a provided configuration permits said manifolded apparatuses are adapted for replacement of one or more cartridges or storage apparatus while one or more other cartridges or storage apparatus are delivering volatiles to an end-use system.

Claim 18 (Original): An apparatus of claim 6 wherein said apparatus is air cooled or liquid cooled to improve charging rates.

Claim 19 (Original): An apparatus of claim 6 wherein the apparatus can be air cooled or liquid cooled to improve volatile charging rates.

Claim 20 (Original): The apparatus of claim 17, wherein said end-use system is a hydrogen generator.

Claim 21 (Original): The apparatus of claim 17, wherein said end-use system is a fuel cell power system.

Claim 22 (New): The method of claim 1, wherein said foam component is a monolithic structure.

Claim 23 (New): The method of claim 1, wherein said foam component is of a ceramic foam.

Claim 24 (New): The method of claim 1, wherein said foam component is selected from the group consisting of: alumina ceramic foam, silicon oxycarbide foam, aluminum foam, syntactic foam, glass microspheres with ceramic or cementitious binders, glass foam, ceramic/carbon foam, graphite foam.